

Amendments

In accordance with 37 CFR §1.121, please amend the above-identified application as set forth below.

Amendments to the Claims:

Please amend the claims as set forth below.

1.-41. (Cancelled)

42. An osteal implant comprising:

a shaft, said shaft having a longitudinal axis and having a first end and a second end at opposing ends of said longitudinal axis;

said first end having a mount for a device to be implanted;

said second end being attached to a top surface of a base;

said base being substantially orthogonal to said longitudinal axis in at least two non-parallel directions, said base being substantially planar; at least one of a top surface or a bottom surface of said base having a first height at a first radial distance from said longitudinal axis and a second height at a second radial distance from said longitudinal axis;

said first height being maintained through at least two directions radial to said longitudinal axis;

said second height being maintained through at least two directions radial to said longitudinal axis, and

both of said top surface and said bottom surface being disposed for osseo integration.

43. The implant of claim 42 wherein said first height is maintained through an arc between said at least two directions radial to said longitudinal axis.

44. The implant of claim 42 wherein said first height and second height alternate periodically.

45. The implant of claim 42 wherein said first height and second height alternate, said alternation comprising corrugation.

46. The implant of claim 42 wherein at least one of said heights has a sharp edge.

47. The implant of claim 42 further comprising a third height, said third height being a different radial distance from said longitudinal axis than either said first height or said second height.

48. The implant of claim 42 wherein at least one of said heights varies in said radial direction to comprise a spiral.

49. The implant of claim 42 wherein at least one of said heights comprises a plurality of bowl like depressions.

50. The implant of claim 42 wherein said heights vary in a range from about 0.05 millimeters to about 0.25 millimeters.

51. The implant of claim 42 wherein said base has an outer perimeter and said outer perimeter includes at least three substantially straight edges.

52. The implant of claim 42 wherein said first and second height comprise barbs oriented to resist extraction of said implant in at least one direction.

53. The implant of claim 42 wherein said at least one of said heights comprises ridges, said ridges being curvilinear on a first side of said base and concave to a first direction and said ridges being substantially rectilinear on a base side substantially opposite from said first side.

54. The implant of claim 42 wherein at least one of said first height or said second height repeat and vary in extent radially.

55. The implant of claim 42 wherein said second height is at a marginal zone of said base, said marginal zone being substantially along a height of a periphery of said base.

56. The implant of claim 55 wherein said marginal zone varies in radial distance from said longitudinal axis.

57. The implant of claim 55 wherein said marginal zone comprises reentrant angles.

58.-66. (Cancelled)

67. The implant of claim 42 wherein both said first height and said second height are maintained through an arc between at least two directions radial to said longitudinal axis.

68. The implant of claim 67 wherein said arc is substantially 180°.

69.-78. (Cancelled)